

04/30/01

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PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	OMRF 182 DIV
First Inventor	Gerald Koelsch
Title	INHIBITORS OF MEMAPSN 2 AND USE THEREOF
Express Mail Label No.	EL 709 418 840 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages 59]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
- Oath or Declaration [Total Pages 8]
 - ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
 - ☐ (for continuation/divisional with Box 17 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☒ paper
- ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations 2 references
- ☒ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☒ Other: Copies of two recorded Assignments from parent application U.S.S.N. 09/603,713
Check for \$355.00

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:
☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No 09, 603,713

Prior application information Examiner Not yet assigned Group / Art Unit 1614

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. PATENT OFFICE ADDRESS

☒ Customer Number or Bar Code Label **23579** or ☐ Correspondence address below

Name	Patrea L. Pabst PATENT TRADEMARK OFFICE Arnall Golden & Gregory, LLP				
Address	2800 One Atlantic Center 1201 West Peachtree Street				
City	Atlanta	State	GA	Zip Code	30309-3450
Country	United States	Telephone	(404) 873-8794	Fax	(404)873-8795

Name (Print/Type)	Patrea L. Pabst	Registration No. (Attorney/Agent)	31,284
Signature		Date	4/30/2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$355.00)

Complete if Known

Application Number	Divisional of 09/603,713
Filing Date	April 30, 2001
First Named Inventor	Gerald Koelsch
Examiner Name	
Group Art Unit	
Attorney Docket No.	OMRF 182 DIV

METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number: 01-2507
- Deposit Account Name: Arnall Golden & Gregory, LLP
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$355.00)

2. EXTRA CLAIM FEES

Total Claims: 6 - 20 = 0 x Fee from below = 0

Independent Claims: 1 - 3 = 0 x Fee Paid = 0

Multiple Dependent: =

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type) Patrea L. Pabst

Registration No. 31,284
(Attorney/Agent)

Complete (if applicable)

Telephone (404) 873-8794

Signature

Date 4/30/2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gerald Koelsch, Jordan J. N. Tang, Lin Hong, and Arun K. Ghosh

Serial No.: Divisional of 09/603,713
Express Mail Label
No. EL 709 418 840 US
Date of Deposit: April 30, 2001

Filed: April 30, 2001

For: INHIBITORS OF MEMAPSIN 2 AND USE THEREOF

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

**REQUEST FOR FILING A DIVISIONAL APPLICATION
UNDER 37 C.F.R. § 1.53(b)**

Sir:

Pursuant to 35 U.S.C. § 21(a), as amended by Public Law 97-247, and 37 C.F.R. §§ 1.10 and 1.53(b), applicants enclose for filing the new divisional patent application entitled "*Inhibitors of Memapsin 2 and Use Thereof*" by Gerald Koelsch, Jordan J. N. Tang, Lin Hong, and Arun K. Ghosh, which is a divisional of pending prior application U.S. Serial No. 09/603,713 filed June 27, 2000. The application includes 1 page of abstract, 56 pages of specification, 2 pages of claims, 12 sheets of formal drawings, and an unexecuted Declaration for Patent Application.

A Preliminary Amendment and an Information Disclosure Statement are enclosed.

Please preliminarily amend the application in accordance with the Preliminary Amendment.

The inventorship for the claims in the new application is not the same as in parent application U.S. Serial No. 09/603,713, and applicants have noted the addition of inventors Gerald Koelsch and Lin Hong pursuant to 37 C.F.R. § 1.53(b)(2).

This application contains nucleic acid and/or protein sequences as defined in 37 C.F.R. §§ 1.821-1.825. The sequence listing for the new application is identical to the sequence listing for the parent application U.S. Serial No. 09/603,713 filed June 27, 2000, by Jordan J. N. Tang and Arun K. Ghosh. A sequence listing in computer readable form was submitted June 27, 2000, in application U.S. Serial No. 09/603,713 filed June 27, 2000. No subsequent sequence listing was submitted.

Pursuant to 37 C.F.R. § 1.821(e), applicants hereby request that the computer readable form of the sequence listing submitted in application U.S. Serial No. 09/603,713 be used as the computer readable form of the sequence listing for the new application.

I declare that the material on the diskette is identical to the paper copy of the Sequence Listing present in the above-identified parent application, and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Also enclosed from prior application U.S. Serial No. 09/603,713 are copies of the
(1) executed Statement Under 37 C.F.R. § 3.73(b) by Oklahoma Medical Research Foundation;

(2) executed Statement Under 37 C.F.R. § 3.73(b) by The Board of Trustees of the University of Illinois; (3) Assignment from Jordan J. N. Tang to Oklahoma Medical Research Foundation, recorded on September 1, 2000, at Reel 011083, Frame 0816; and (4) Assignment from Arun K. Ghosh to The Board of Trustees of the University of Illinois, recorded on September 1, 2000, at Reel 011083, Frame 0788.

Submitted with the new application are a (1) check in the amount of \$355.00 and a request to charge our Deposit Order Account No. 01-2507 for \$355.00 to cover the filing fee for a small entity; (2) Fee Transmittal (PTO/SB/17); and (3) Utility Patent Application Transmittal (PTO/SB/45). It is believed that \$710.00 is the proper filing fee for a small entity, as the application includes 1 independent claim and a total of 6 claims after entry of the enclosed Preliminary Amendment.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2507. To facilitate this process, applicants have enclosed a duplicate of this letter.

The power of attorney in the prior application is to Patrea L. Pabst, Registration No. 31,284.

This application is being filed on April 30, 2001, by mailing the application to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231 via the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. § 1.10.

Divisional of U.S.S.N. 09/603,713
Filed: April 30, 2001
**REQUEST FOR FILING A DIVISIONAL
APPLICATION UNDER 37 C.F.R. § 1.53(b)**
Express Mail Label No.: EL 709 418 840 US
Date of Deposit: April 30, 2001

All correspondence concerning this application should be mailed to:



Patrea L. Pabst, Esq.
ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, GA 30309-3450

Respectfully submitted,

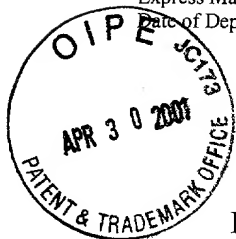
A handwritten signature of Patrea L. Pabst, consisting of a large, stylized "P" followed by "L. Pabst".

Patrea L. Pabst
Reg. No. 31,284

Date: April 30, 2001

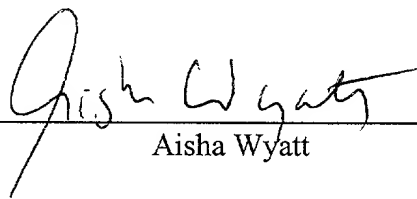
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Divisional of U.S.S.N. 09/603,713
Filed: April 30, 2001
**REQUEST FOR FILING A DIVISIONAL
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Express Mail Label No.: EL 709 418 840 US
Date of Deposit: April 30, 2001



CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this paper and any documents referred to as attached or enclosed are being deposited with the United States Postal Service on this date, April 30, 2001, in an envelope as "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Number EL 709 418 840 US addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.


Aisha Wyatt

Date: April 30, 2001